

Date: Wed, 17 Aug 94 18:29:45 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #928
To: Info-Hams

Info-Hams Digest Wed, 17 Aug 94 Volume 94 : Issue 928

Today's Topics:

clip art for QSL card
CORRECTION Re: VK2WI Weekly News, 31st January, 1994
FT5100 died! HELP (Technical)
Ham Radio & More
Ham Radio shows on AM HF
HELP! HOW TO IMPROV
Help with Drake SPR-4
ICOM IC-726 - Is It a Good Rig?
IPS Daily Report - 15 August 94
Ragchewing conversational protocol (2 msgs)
Transverters with TS-140s
Where did Beverage come from? (2 msgs)
Yahoo - Passed the tech+

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 16 Aug 1994 17:22:24 GMT
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!charnel.ecst.csuchico.edu!
yeshua.marcam.com!usc!cs.utexas.edu!oakhill!hawk!hawk@network.ucsd.edu
Subject: clip art for QSL card
To: info-hams@ucsd.edu

Mark,
there is a good collection of state outlines in the
Harvard Graphics Dos based software...

regards

George Hawkins

```
-----
GEORGE HAWKINS  KKK      KK  IIIIIIII  5555555  XXX   XXX
                  K      K      II      55      X   X
                  K   K      II      55555      X X  MOBILE DXCC-175
                  K K K      II      55      X      160 <> 10
                  K   K      II      5      X X  SEE YOU ON
                  K   K      II      55      X   X  BANDS FROM
                  KKK      KK  IIIIIIII  5555555  XXX   XXX  MY TRUCK!
-----
```

```
-----
George Hawkins                                Internet: hawk@hawk.sps.mot.com
Principal Staff Engineer                     UUCP: cs.utexas.edu!oakhill!hawk!hawk
Motorola Digital Signal Processor Division
6501 William Cannon Drive West               Phone (512) 891-4543
Austin Texas 78735-8598                      FAX   (512) 891-2947
-----
```

```
-----
Date: 17 Aug 1994 16:48:59 +1000
From: ihnp4.ucsd.edu!muninari.oz.au!yarrina.connect.com.au!
harbinger.cc.monash.edu.au!news.cs.su.oz.au!metro!news.ci.com.au!eram.esi.com.au!
not-for-mail@network.ucsd.edu
Subject: CORRECTION Re: VK2WI Weekly News, 31st January, 1994
To: info-hams@ucsd.edu
```

Arrgghh! This, of course, should have read "31st JULY, 1994."

Thanks, Dean. I must be getting old.

```
--
Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2AAB.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | E7 FE 97 88 E5 02 3C AE 9C 8C 54 5B 9A D4 A0 CD
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```
-----
Date: 17 Aug 1994 13:30:45 GMT
From: ihnp4.ucsd.edu!news.cerf.net!gopher.sdsc.edu!nic-nac.CSU.net!
charnel.ecst.csuchico.edu!psgrain!ticsa.com!aztec.co.za!wrm@network.ucsd.edu
Subject: FT5100 died! HELP (Technical)
To: info-hams@ucsd.edu
```

A friend borrowed my trusty FT200, and the first time he keyed it his FT5100 VHF/UHF transceiver died. When he cycled power the VHF portion came back, but the UHF display is flashing 300 (Mhz). Obviously he's not receiving anything on UHF. He suspects that the microcontroller may have

blown, but I feel that, since 2m is working 100%, the micro should be OK. He also tried removing the backup battery overnight to reset the micro, as well as some type of "three finger salute". After he replaced the battery, the rig acts differently, but not much.

Questions are :

1. Why would RF damage a rig? After all, _most_ hams have more than one rig.
2. In what way could the rig possibly be damaged? Could it be physical damage to the controller?
3. Could it be that the controller is merely confused? Maybe it lost some parameters from eeprom? (Assuming it _has_ eeprom). If so, what is the correct way to re-initialise the controller?
4. What can I check to pinpoint the problem? If, for example, the PLL doesn't lock at 300 MHz, would this cause the display to flash? (A theory I have is that the thing got reprogrammed to 300 MHz, the PLL won't lock, and the rig is waiting for the PLL to lock before it would step upwards in freq).

Thanks

Wouter de Waal ZS1KE / Argo 505 / QRP mostly / Wire Antennas

Date: Wed, 17 Aug 94 00:06:00 -0500

From: news.cerf.net!gopher.sdsc.edu!nic-nac.CSU.net!channel.ecst.csuchico.edu!
yeshua.marcam.com!insosf1.infonet.net!news.i-link.com!news.sprintlink.net!
news.infi.net!exchange!john@ihnp4.ucsd.edu

Subject: Ham Radio & More

To: info-hams@ucsd.edu

>Message-ID: <lenwink.164.0009B2BD@indirect.com>

>Newsgroup: rec.radio.amateur.misc

>Organization: Ham Radio & More

>Just a quick reminder that Wayne Green, W2NSD, will be the special
>guest on the Ham Radio & More show this Sunday, 8/14/94. Wayne
>will discuss his background, his opinions, and more. The show can be
>heard on the Talk America Network in over 20 cities and via satellite on

Len,

Any chance you could post a list of the stations carrying the show?

John

* WR # 365 * Alas, poor tagline. I wrote it well.....

Date: 17 Aug 94 17:28:13 GMT
From: news-mail-gateway@ucsd.edu
Subject: Ham Radio shows on AM HF
To: info-hams@ucsd.edu

Hello everyone,

I am interested in obtaining information about Ham Radio programs on broadcast shorwave bands.

Thanks in advance for your help.

73 es DX de Guillermo.

=====

Guillermo Gosset, XE1RGL	
Instituto de Biotecnologia/U.N.A.M.	email: gosset@132.248.32.1
Cuernavaca, Mexico.	xe1rgl@amsat.org

=====

Date: 17 Aug 1994 12:59:09 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!swrinde!news.uh.edu!
usenet@network.ucsd.edu
Subject: HELP! HOW TO IMPROV
To: info-hams@ucsd.edu

In <2d.23019.2003.0N850D7C@exchange.com>, john.tant@exchange.com (John Tant) writes:

>
>>I use a different method that works for me. I just scratch down the
>>dots and dashes, using a shorthand stroke format I developed, and
>>sight read the resulting text. I can read that shorthand as easily
>>as I read normal alphabetic text. This is the way Sammy Morse originally
>>did it, except he used a machine to make the marks while I do it by
>>hand to meet legal requirements for the tests. Of course it isn't
>>terribly fast. In normal operating, I let a machine do it too.
>
>>Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!g
>>Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!ga
>>534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gar
>>Lawrenceville, GA 30244 | |

When I took the Technician test here in Houston a few weeks ago, I overheard the examiners specifically tell the testees that they (the examiners) would not allow testees to record dots and dashes and then translate them to english text later. It wasn't clear to me whether Gary's method would have been allowed or not.

Seems to me that recording what you hear in "...a shorthand stroke format...." is just another form of writing the "normal" text characters. Further, it seems to me that *any* scheme that allows the operator to get the correct final text down on paper should be allowed (barring replay of the transmitted code). After all, the name of the game is to get the message correct, is it not? If we can do it standing on our heads, writing Chinese characters with our toes, what's wrong with that?

Are the rules governing such practices subject to local options? Is there any kind of uniformity in what practices are allowed/disallowed?

Just wondering.

David F. Jenkins		Lurk and learn,
Decision and Information Sciences		Post and burn.
University of Houston		S. Carpenter

Date: Mon, 15 Aug 94 21:03:00 +0100
From: spool.mu.edu!howland.reston.ans.net!EU.net!dkuug!dkuug!ic.dk!dkb!
graham.davies@decwrl.dec.com
Subject: Help with Drake SPR-4
To: info-hams@ucsd.edu

I have the opportunity to purchase a Drake SPR-4 Shortwave receiver. Can anyone give me some info on this model. I'm new to DX'ing. My primary interest is Fax, RTTY, Packet and listening to the big European SW stations.

The ad' states that it's range is 200khz to 23Mhz am/cw/lsb/usb.

What about 23Mhz to 30Mhz, is this important?
If so, can it be modified to receive 23-30Mhz?
How old is this model?
What would be a fair price to pay for this unit?

Any help would be greatly appreciated.

Thanks,

Graham. graham.davies@dkb.dk

* 1st 1.11 *

Date: 17 Aug 1994 14:02:59 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!
usenet@network.ucsd.edu
Subject: ICOM IC-726 - Is It a Good Rig?
To: info-hams@ucsd.edu

I have the opportunity to pick up an ICOM IC-726. Could someone tell me if its a decent HF rig for amateur use and what one might be worth?

Dan Vestal
vestal.dan@gtefsd.com

Date: Mon, 15 Aug 1994 23:15:12 GMT
From: ucsnews!newshub.sdsu.edu!nic-nac.CSU.net!usc!cs.utexas.edu!convex!
news.duke.edu!eff!news.kei.com!yeshua.marcam.com!zip.eecs.umich.edu!
newsxfer.itd.umich.edu!isclient.@@ihnp4.ucsd.edu
Subject: IPS Daily Report - 15 August 94
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 15/2330Z AUGUST 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 15 AUGUST AND FORECAST FOR 16 AUGUST - 18 AUGUST

1A. SOLAR SUMMARY

Activity: moderate

Flares	Max	Fadeout	Begin	End	Freq.	Sectors
M1/2N	1251UT	none				

Observed 10.7 cm flux/Equivalent Sunspot Number : 81/22

GOES satellite data for 14 Aug
Daily Proton Fluence >1 MeV: 3.8E+06
Daily Proton Fluence >10 MeV: 1.3E+04
Daily Electron Fluence >2 MeV: 4.0E+08
X-ray background: A8.6

Fluence (flux accumulation over 24hrs)/ cm2-ster-day.

1B. SOLAR FORECAST

	16 Aug	17 Aug	18 Aug
Activity	Low	Low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 16 Aug: 80/20

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: unsettled

Estimated Indices : A	K	Observed A Index 14 Aug
Learmonth	13 3233 ----	
Fredericksburg	15	26
Planetary	15	28

Observed Kp for 14 Aug: 4455 4333

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
16 Aug	8	Quiet to unsettled
17 Aug	6	Quiet to unsettled
18 Aug	4	Quiet

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
15 Aug	normal	normal	normal

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
16 Aug	normal	normal	fair
17 Aug	normal	normal	normal
18 Aug	normal	normal	normal

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed

DATE	T-index	MUFs at Sydney
15 Aug	7	about 15% below predicted monthly values, with spread F 8-16UT.

Predicted Monthly T-index for August: 20

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
16 Aug	20	Near predicted monthly values
17 Aug	25	Near predicted monthly values
18 Aug	20	Near predicted monthly values

--

IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329	PO Box 5606
Recorded Message tel: +61 2 4148330	West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331	AUSTRALIA

Date: Wed, 17 Aug 94 08:18:42 CDT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!
usenet@network.ucsd.edu
Subject: Ragchewing conversational protocol
To: info-hams@ucsd.edu

On Tue, 16 Aug 1994 16:35:26 GMT,
Freeman A. Kilpatrick <fkilpatr@afit.af.mil> wrote:

>Hi All!

>

>I just got my license a few weeks ago, and I noticed a
>conversational oddity that I hadn't expected. The simplex
>nature of conversation is kind of difficult to get used to.
>When ragchewing, you *have* to say something when the other
>person unkeys their mike. This is in contrast to normal
>conversation, where a person will usually continue to talk
>if a response is not elicited. Sometimes the person I'm
>talking to will stop talking, and I won't have anything to
>say. I feel like I can't just sit there, so I have to come
>up with some banal comment or something.

>

>Obviously, this phenomena is less of a problem when there
>is an actual purpose to the QSO (like a contest or something).
>I'm curious to learn if anyone else has this problem, or are
>most people simply too talkative anyway?

Good observation. It's especially difficult when you're just starting out. My son (who's 12) and I received our tickets about 2 months ago, and the first time we got to use the airwaves was on a trip to the west coast. My son did most of the radio work, and it was very frustrating for him at first because after a conversation was started, the person he was talking to would make some insignificant comment, then stop. My son would ask "What should I say?" He felt he should respond immediately, but couldn't

think of what to say. I "coached" him quite a bit, and now he gets along pretty well. It takes a little thinking ahead so that you can say something, even if it changes the subject. If you =really= have nothing to say, it's time to say 73 and sign off. ;-)

-Steve-
N9XDC

Date: 17 Aug 1994 14:01:03 GMT
From: nntp.crl.com!lgenco@decwrl.dec.com
Subject: Ragchewing conversational protocol
To: info-hams@ucsd.edu

In article <fkilpatr.777054926@afit.af.mil>,
fkilpatr@afit.af.mil (Freeman A. Kilpatrick) wrote:

> When ragchewing, you *have* to say something when the other
> person unkeys their mike.

Yep, otherwise the other ham might think:

- A. The path collapsed (HF QSB)
- B. You fell asleep
- C. One of the xcvs drifted off-frequency
- D. His SWR exceeded cut-off limits
- E. You are slurping a cuppa coffee or took a potty break
- F. (if on a repeater) The repeater timed out
- G. (if mobile) The friendly traffic cop distracted you

> Obviously, this phenomena is less of a problem when there
> is an actual purpose to the QSO

Alas, bidirectional information exchange is all too rarely the purpose of a QSO. You might find that use of VOX and a group QSO reduces the severity of this phenomenon somewhat. The VOX helps fill in conversational pauses with coughs and background noise such as dog barks and flatulent outbursts.

> I'm currently taking
> a linguistics course, and we will be studying 'conversation
> analysis' in a few weeks. I'll report back if I find any
> theoretical foundation for this type of conversation anomaly.

Tongue-in-cheek mode OFF: My guess is this originated in the time-limited characteristics of HF QSOs. Each party wants to say as much as he/she can before QSB, QRM or QRN affects the signal. Maybe this is a biological method of speech compression?

Lou

Internet: lgenco@crl.com Lou.Genco@LChance.sat.tx.us
Ham Radio Packet: N5SGL @ K3WGF.#SAT.TX.USA tcp/ip: n5sgl@sat.ampr.org

Date: Mon, 15 Aug 1994 20:17:43 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!nic-nac.CSU.net!usc!
howland.reston.ans.net!newsserver.jvnc.net!news.ge.com!knight.vf.ge.com!nadir!
hbrown@network.ucsd.edu
Subject: Transverters with TS-140s
To: info-hams@ucsd.edu

Bill,

Check with Downeast Microwave on their switching boards. They sell a small board that includes the input (IF) relay and drivers for use with your IF rig. It's small enough so that you usually put it inside the chassis for the microwave transverters that they sell.

73,
Harry, W3IIT

Date: Mon, 15 Aug 1994 12:31:29 -0100
From: library.ucla.edu!csulb.edu!nic-nac.CSU.net!usc!howland.reston.ans.net!
gatech!newsxfer.itd.umich.edu!zip.eecs.umich.edu!yeshua.marcam.com!news.kei.com!
world!blanket.mitre.@ihnp4.ucsd.edu
Subject: Where did Beverage come from?
To: info-hams@ucsd.edu

In article <940813091331.e39@gms.mh.wp.kgf.com>, RGS@gfimda.UUCP (Robert G. Schaffrath) wrote:

> >I have seen other references to "beverage" in this group, but my
> >handy-dandy Random House shows only the usual definition for
> >the word. What does it mean in ham-ese?
> >
> >David F. Jenkins DJENKINS@jetson.uh.edu

I remember reading somewhere that the term originated when the low-bands were popular and some amateur radio antenna builders used to place a glass beverage bottle at the base of a tall vertical radiator as an insulator from ground.

WE7L

74551.1275@compuserve.com

Date: 16 Aug 94 15:24:30 -0500

From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!channel.ecst.csuchico.edu!
yeshua.marcam.com!usc!howland.reston.ans.net!europa.eng.gtefsd.com!ulowell!
aspen.uml.edu!martinja@network.ucsd.edu

Subject: Where did Beverage come from?

To: info-hams@ucsd.edu

> In article <940813091331.e39@gms.mh.wp.kgf.com>, RGS@gfimda.UUCP (Robert G.
> Schaffrath) wrote:
> I have seen other references to "beverage" in this group, but my
> handy-dandy Random House shows only the usual definition for
> the word. What does it mean in ham-ese?

I knew there was a good reason for collecting and keeping back issues of
the various ham rags. I periodically browse through them to either learn
or reinforce the knowledge of something.

Going through the June 1982 "Q-Street" I found an article about Harold Henry
Beverage, ex-W2BML, inventor of the beverage antenna and associated with the
likes of Einstein, Marconi, Armstrong, DeForest, Sir Watson Watt, Yagi, and
Irving Berlin.

The name for the antenna has nothing whatsoever to do with any type of bottles
associated with the drinking kind of beverages. Hahahahahaha hahaha ha ha.
I like that one reply. Heck, if you don't know the answer baffle 'em with
your BS. Yup.

73 de WK1V

-jim-

Date: Wed, 17 Aug 94 00:06:00 -0500

From: news.cerf.net!gopher.sdsc.edu!nic-nac.CSU.net!channel.ecst.csuchico.edu!
yeshua.marcam.com!insosf1.infonet.net!news.i-link.com!news.sprintlink.net!
news.infi.net!exchange!john@ihnp4.ucsd.edu

Subject: Yahoo - Passed the tech+

To: info-hams@ucsd.edu

Srinivas,

C O N G R A T U L A T I O N S T O Y O U ! ! ! !

:-)

References <474@ted.win.net><3217kv\$ood@crl.crl.com>, <490@ted.win.net>,
<32p4qg\$erc@crl.crl.com>

Subject : Re: 2m/11m crossband QSO: legal?

chdaley@crl.com (Charles A Daley) writes:

>Then again, just for the sake of discussion...

>This suggests that if the repeater in question had a link to 11 meters
>(perish the thought...:)) then all would be okay??? The one-way
>transmissions would be gone and the repeater would complete the
>requirement for an amateur station.

I'd rather tap a direct feed from talk.bizarre through my TNC than
put up a 2-meter to 11-meter link using my license.

Dave, KZ10

--

Dave Bushong
OPEN/image Recognition Products

Date: 15 Aug 1994 23:55:25 GMT
From: ihnp4.ucsd.edu!ucsnews!newshub.sdsu.edu!nic-nac.CSU.net!usc!
howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!news.duke.edu!duke.edu!
jbs@network.ucsd.edu
To: info-hams@ucsd.edu

References <32966a\$504@agate.berkeley.edu>, <32as26\$qnk@news.duke.edu>,
<CuLn0B.qL@world.std.com>.r
Subject : Re: Crossband repeating rigs & auto IDers

In article <CuLn0B.qL@world.std.com> drt@world.std.com (David R Tucker) writes:

>Joe B. Simpson (jbs@duke.edu) wrote:

>

>: Not to mention that technically your mobile crossband repeater must be
>: remotely controllable so you can disable its transmit at any time...

>

>Why, if both repeaters and auxiliary stations can be automatically
>controlled, do you need remote control? Use a time-out timer and
>you're ok.

I thought the control operator of any station had to have the means to
immediately shut down the transmitter. Time-out features aren't the same
thing.

-joe

--

"When personal freedom's being abused,		"In Canada we have something called
you have to move to limit it."		multiculturalism - you will find the
		whole spectrum of races living in
- U.S. President Bill Clinton, 1994		Toronto's slums." -A Canadian

End of Info-Hams Digest V94 #928
